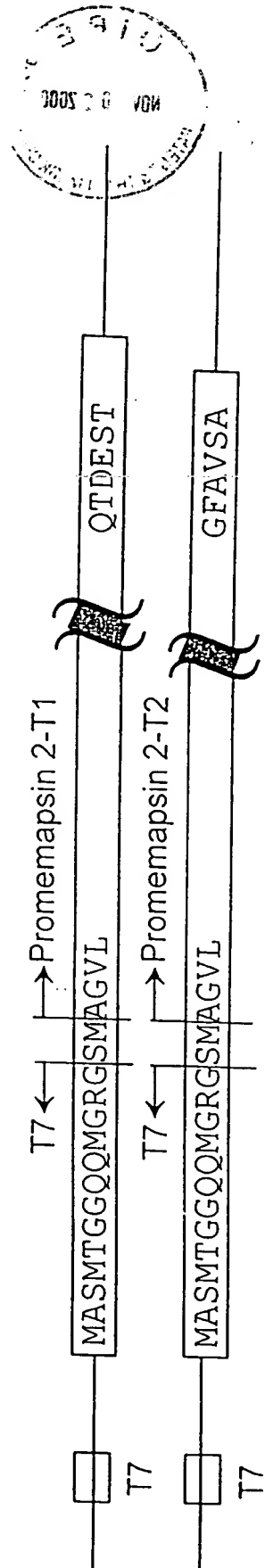
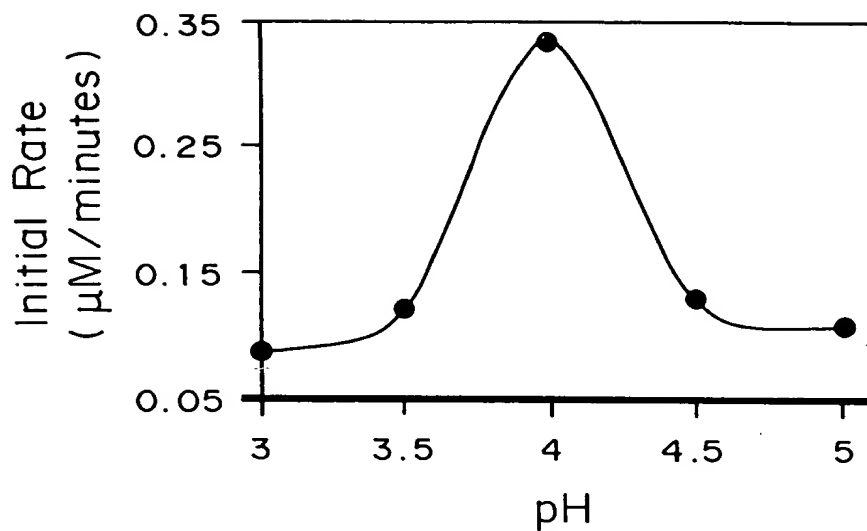
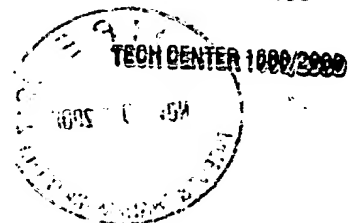


FIG. 1

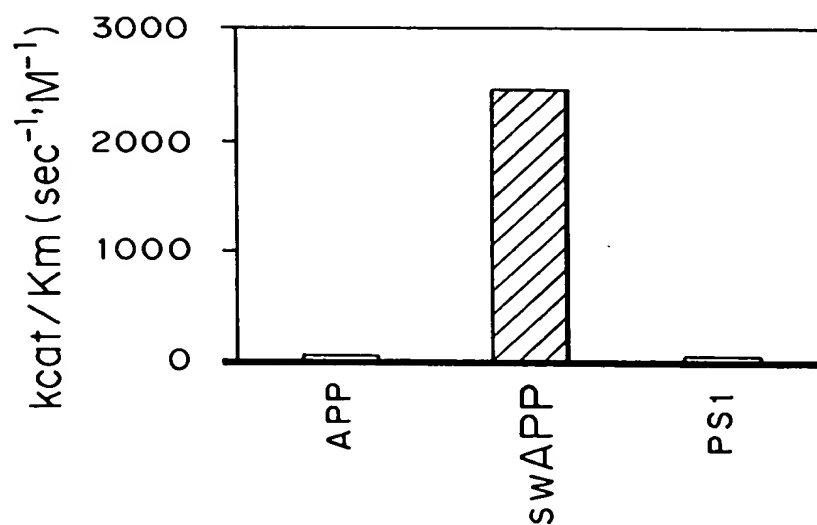
1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSLGGAP LGLRLPRETD  
 36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPQTL NILVDTGSSN  
 38 FAVGAAPHF LHRYYQRQLS STYRDLRKG VVPYTQGWKE GELGTDLVSI  
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLEPFF  
 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG GIDHSLYTGS  
 188 LWYTPIRREW YVEVIVRVE INGQDLKMDK KEYNYDKSIV DSGTTNLRLP  
 238 KKVFEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTTPW NIFPVISLYL  
 288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI  
 338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP  
 388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS  
 438 LLK\*



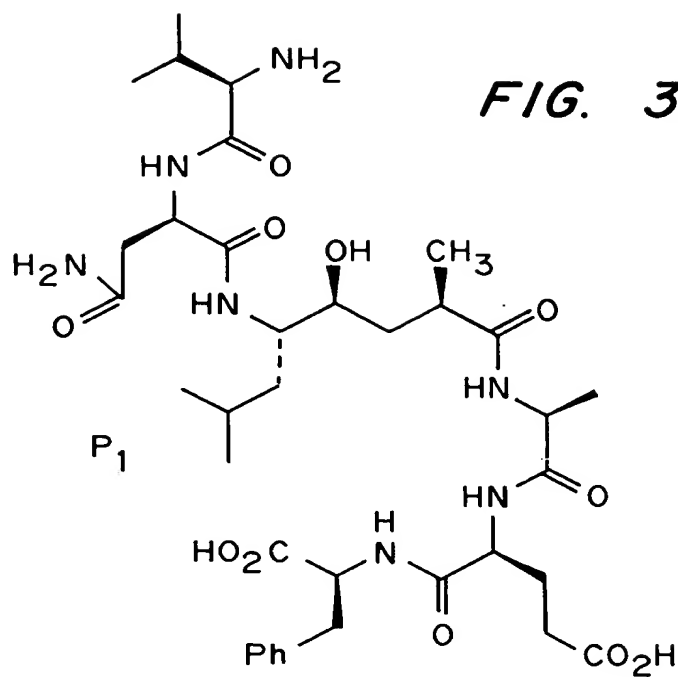
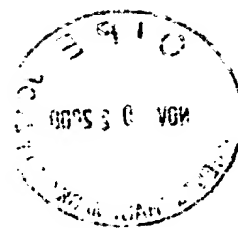
NOV 07 2000



**FIG. 2A**

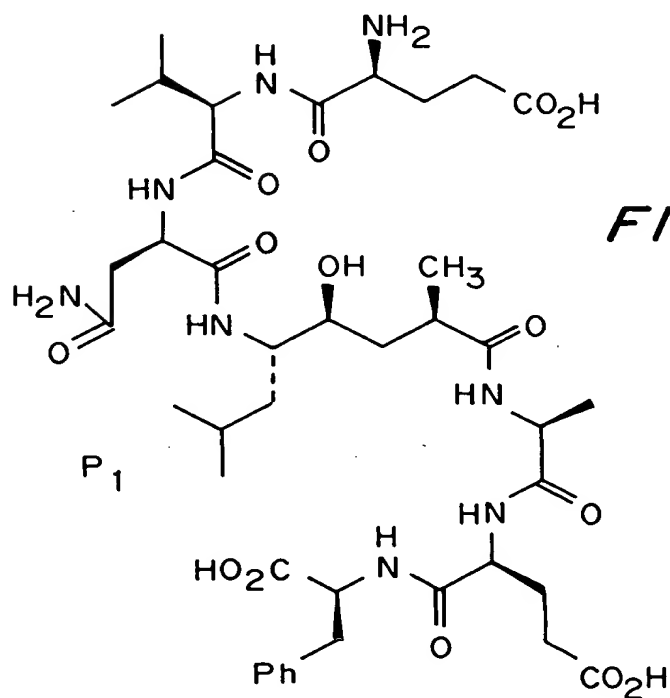


**FIG. 2B**



**FIG. 3A**

OM99-1

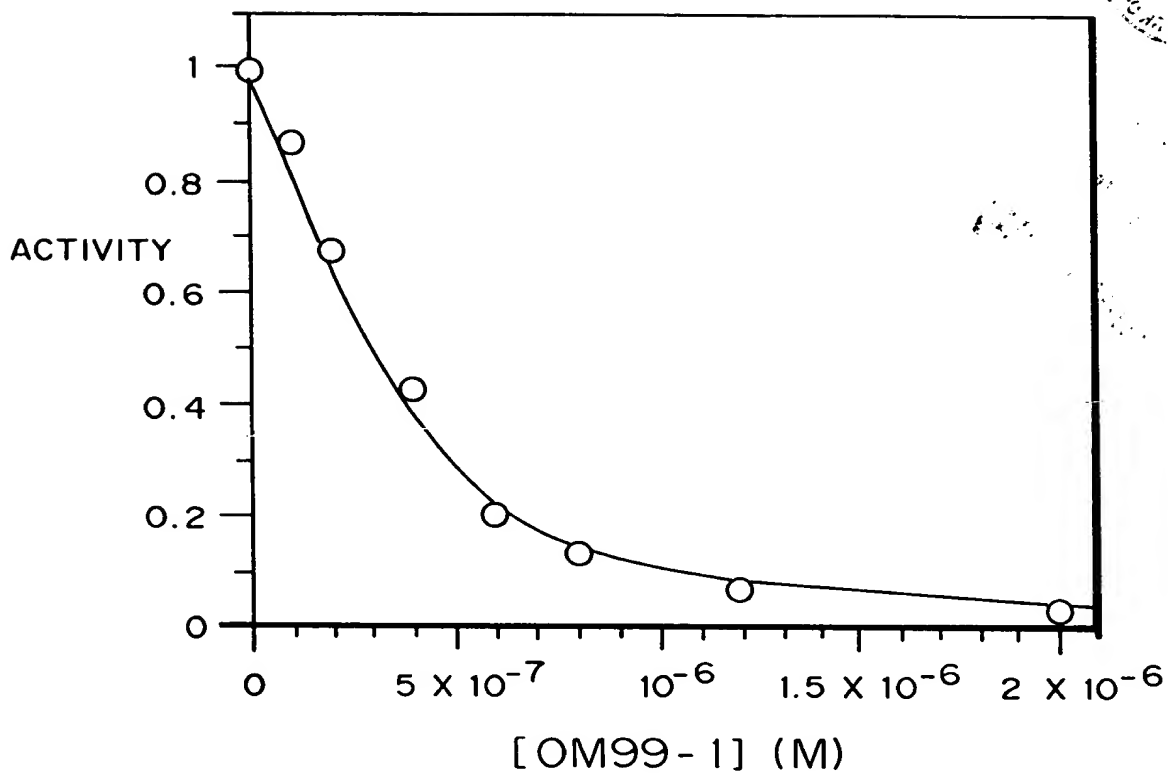


**FIG. 3B**

OM99-2



FIG. 4A



[Mep2] = 0.47  $\mu$ M

[Fluo. Substrate] = 29.9  $\mu$ M

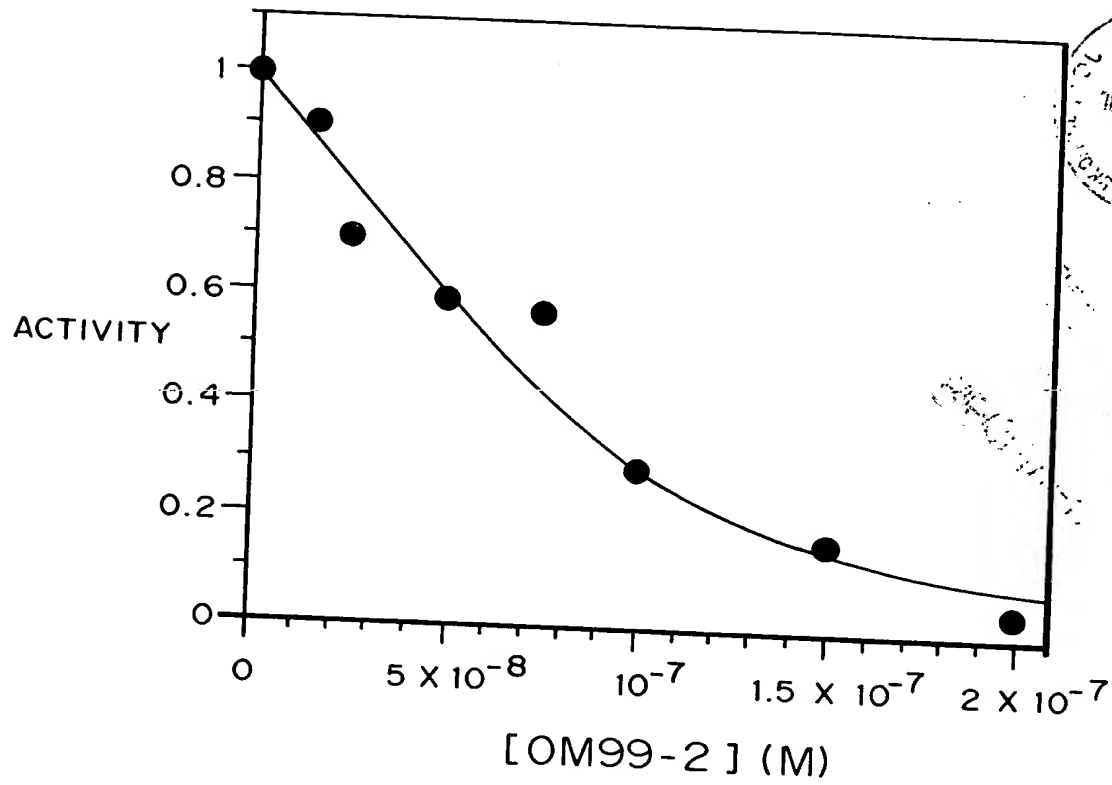
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84 e - 8	2.72 e - 9

FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10



FIG. 5

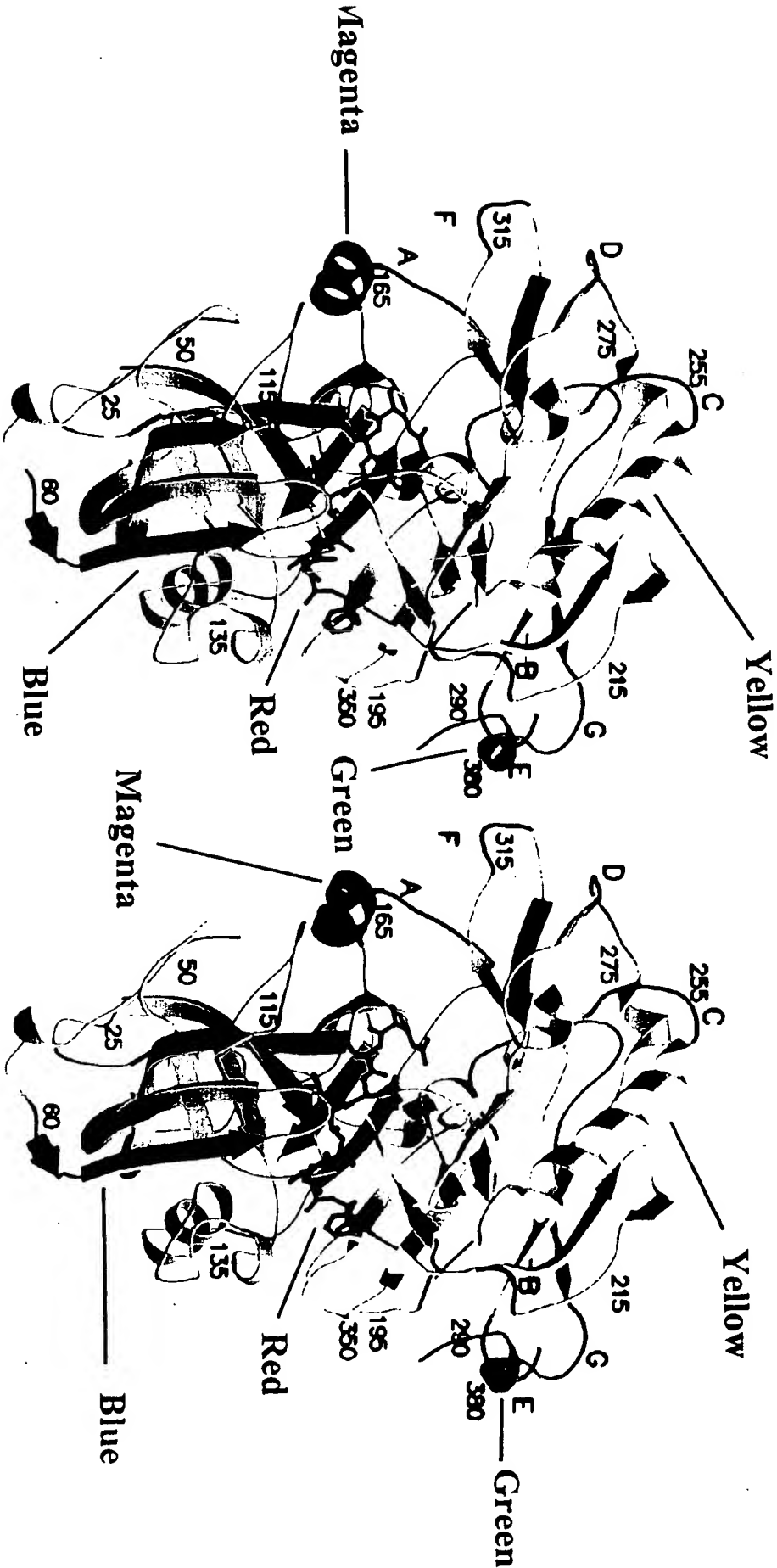
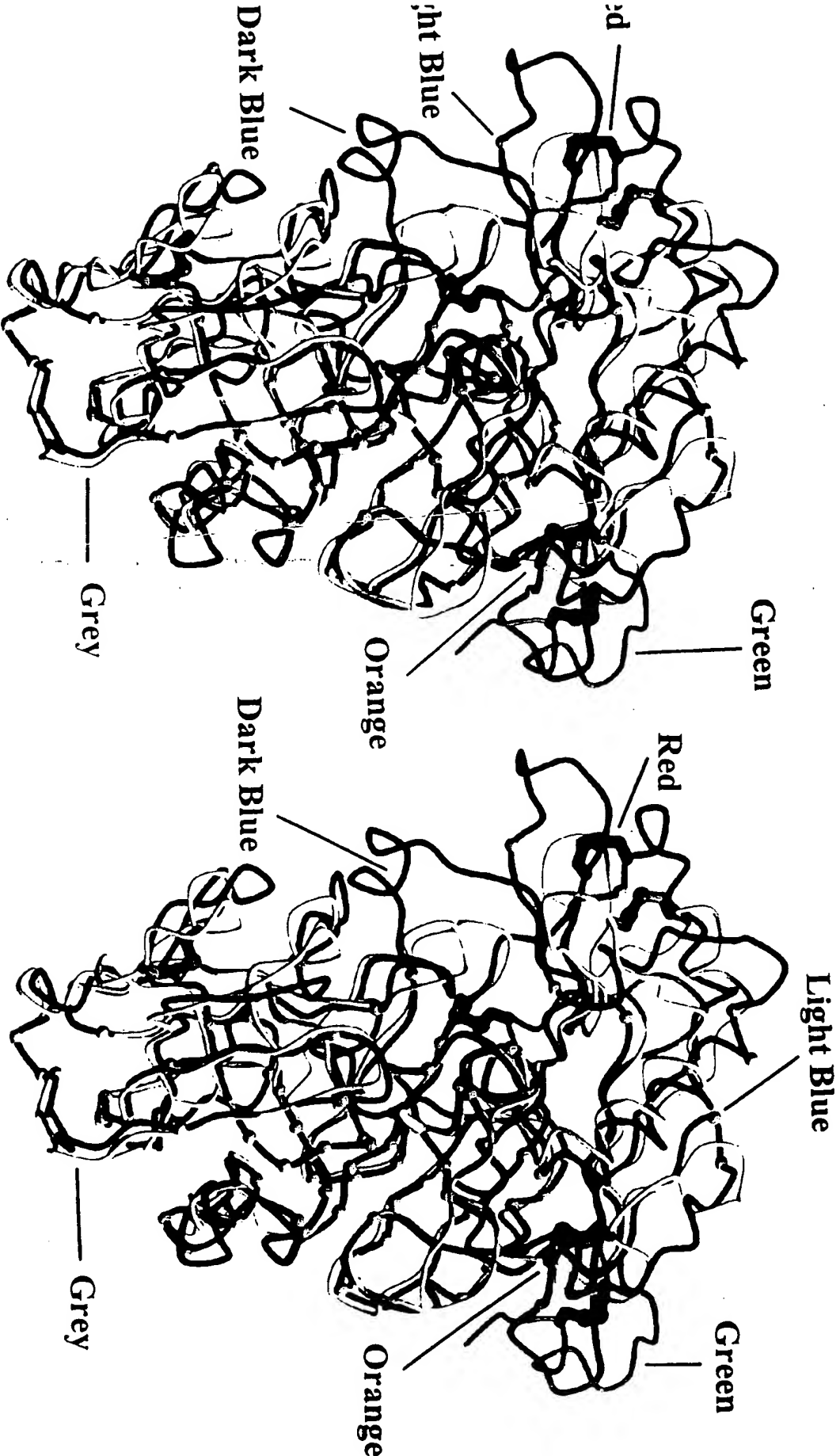
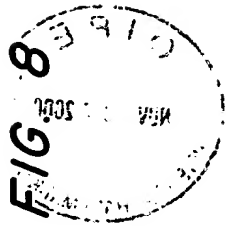


FIG. 6

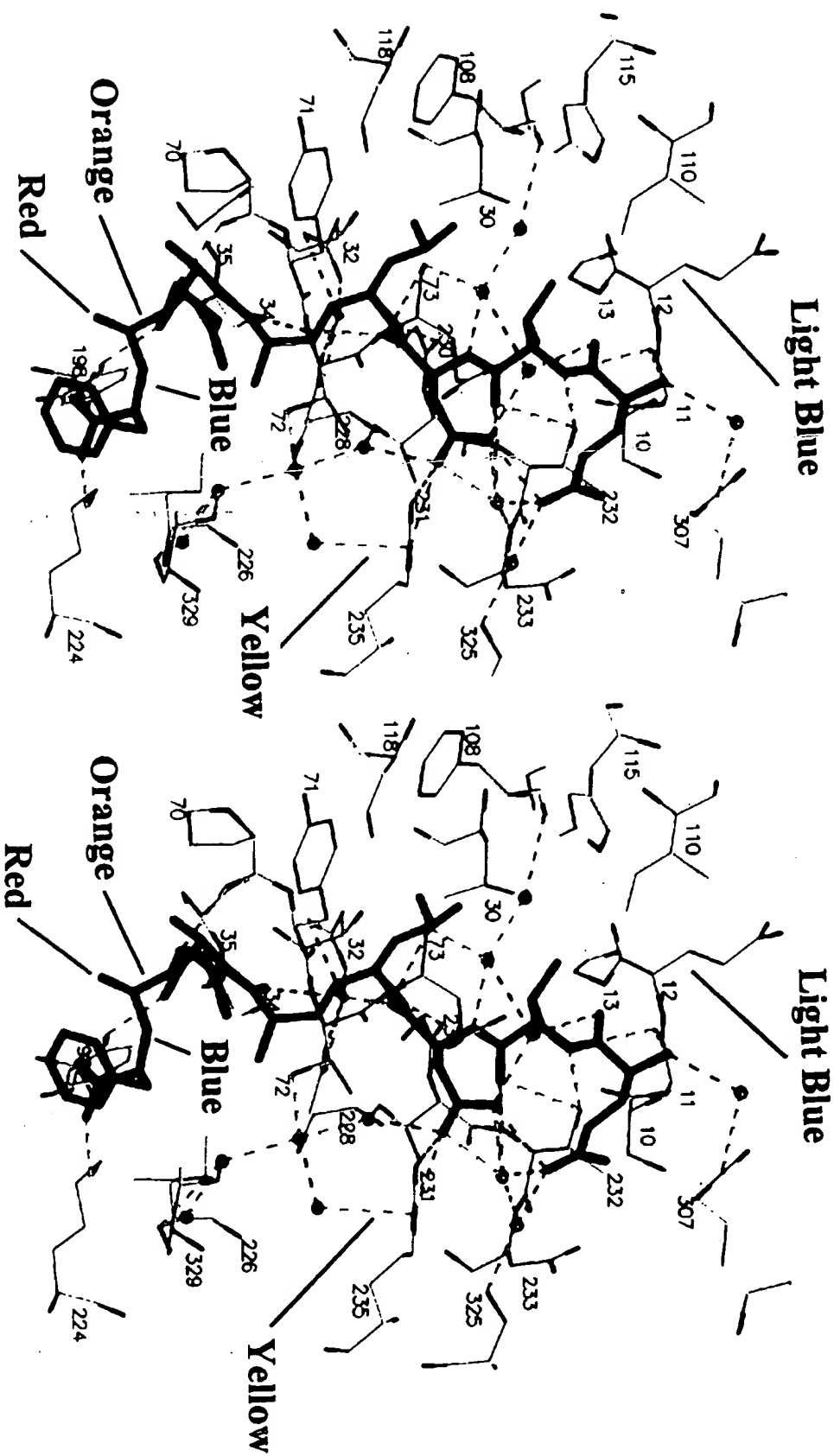


**FIG. 7**





Thr232	Asn233	Thr72	Gln73	Thr72	Ile226
	Arg235	Thr231	Arg235	Asp228	



**FIG. 9**

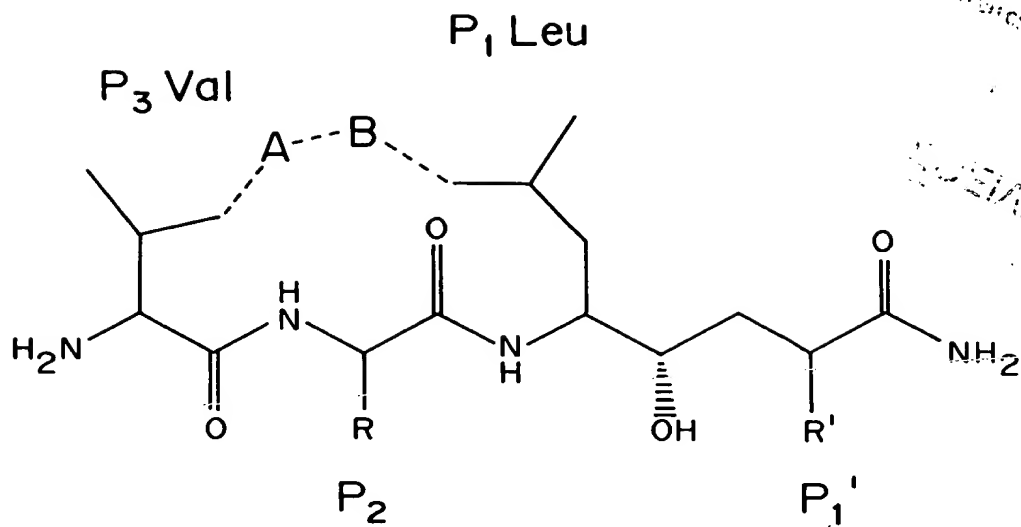
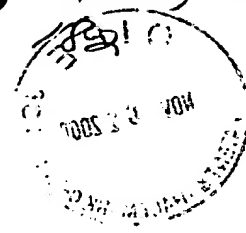


FIG. 10

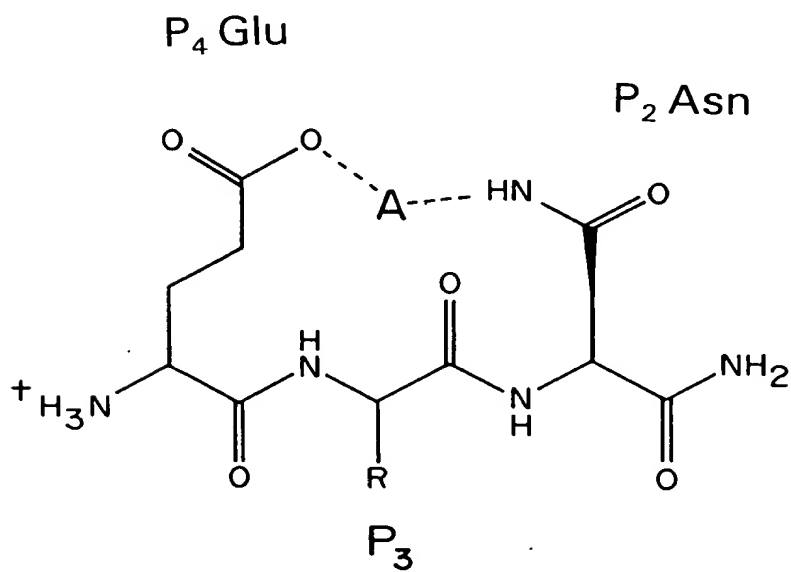


FIG. 11

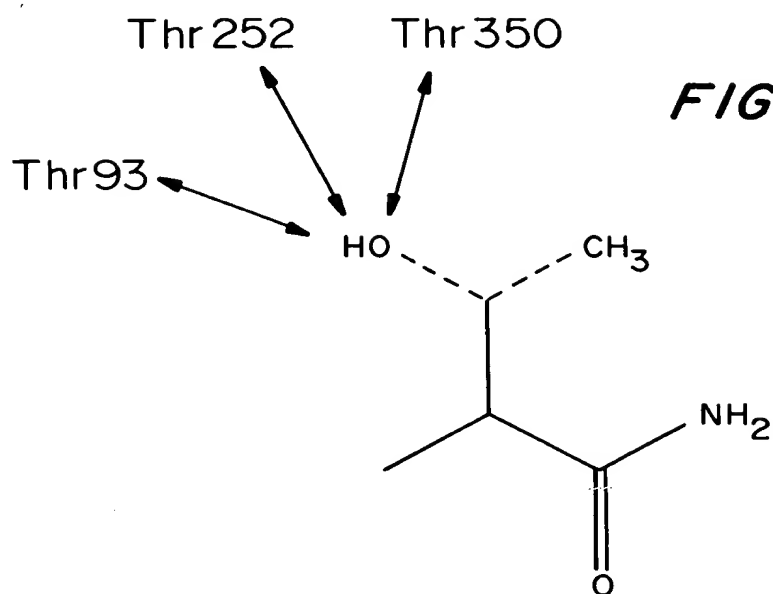


FIG. 12

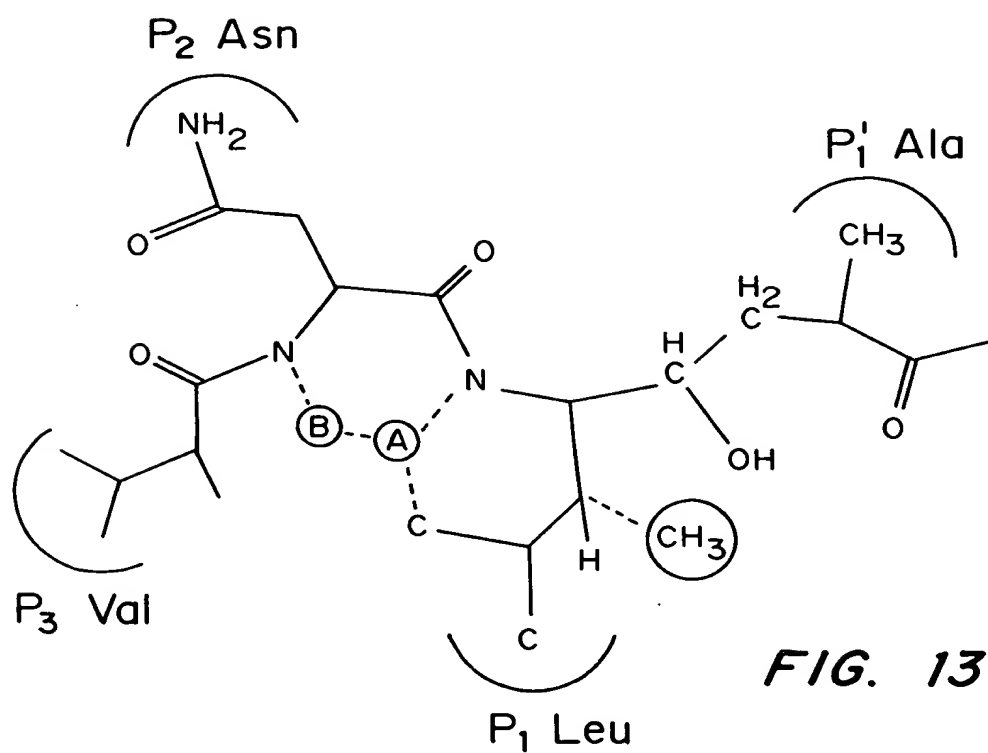


FIG. 13